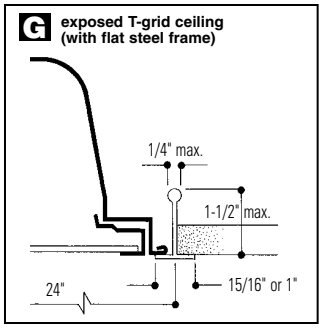
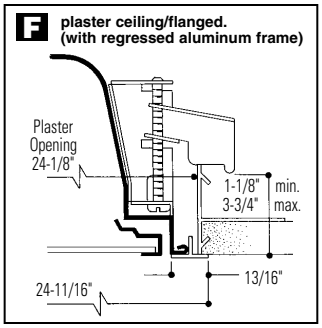
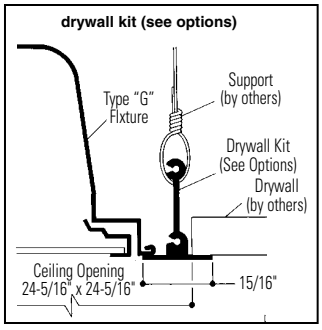
Features

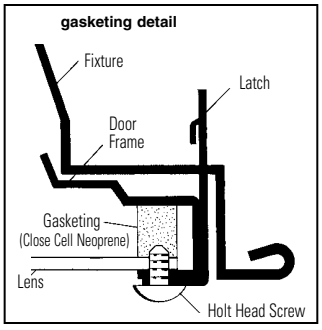
- Excellent for locations where vandal resistance is required.
- Prismatic lens is 3/16" thick pattern 12, minimum impact strength, 130 foot pounds.
- Full perimeter gasketing (closed cell Neoprene) between door frame and lens.
- Tamper resistant holt head screws secure lens to housing.
- 5" deep body.
- 69.3% efficient (T8).
- Hemmed over side rails for maximum safety.
- Fixture ends turned-in for safe handling.
- Built-in earthquake clips (patent no. 5,072,344).
- Spring loaded rooster head latches.
- 18 gauge steel hinges.

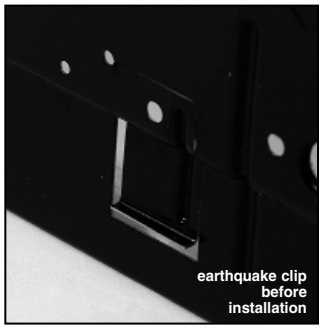
MOUNTING METHODS

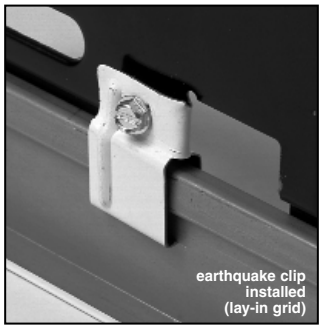




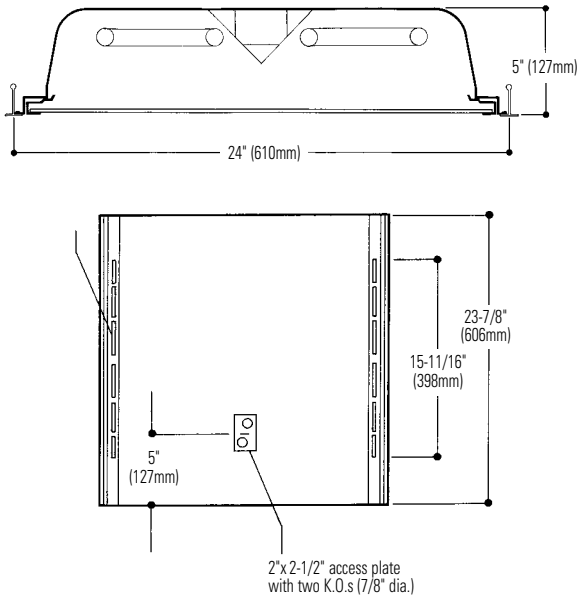








DIMENSIONS



Job Information	**Type:**
Job Name:	
Cat. No.:	
Lamp(s):	
Volts/Ballast:	

Lightolier a Genlyte Thomas Company www.lightolier.com
Technical Information: (978) 657-7600 • Fax (978) 658-0595
631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
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LIGHTOLIER®

PHOTOMETRY

MODEL NO. GVS2GFSVK26U

LER = FL - 58.9 IW - 56.4 BF - 0.87
Comparative yearly lighting energy cost per 1000 lumens = $4.07

GT TESTING LABORATORY
45 Industrial Way
Wilmington, MA 01887
(978) 657-7600

REPORT NO.: G00110 DATE: 02/13/01
CATALOG NO.: GVS2GFSVK26U120SO
LAMP(S): 2 T8 U6, EACH RATED 2750 LUMENS.
LUMINAIRE: **VANDAL RESISTANT TROFFER WITH FS FRAME AND VK LENS**
TRIAD B232I120RH-A
0.47 AMPS 56.4 WATTS

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	FLUX
0	1680	1680	1680	1680	1680	
5	1671	1671	1669	1674	1674	159
15	1591	1595	1604	1619	1624	454
25	1440	1452	1477	1508	1519	682
35	1227	1246	1283	1330	1353	804
45	925	906	917	987	1022	725
55	520	501	511	546	562	476
65	274	277	268	280	282	278
75	152	148	154	167	174	167
85	53	56	58	70	73	65
90	0	0	0	0	0	

ZONAL LUMEN SUMMARY

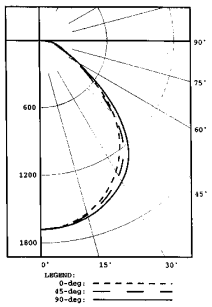
ZONE	LUMENS	%LAMP	%FIXT
0- 30	1295	23.5	34.0
0- 40	2099	38.2	55.1
0- 60	3300	60.0	86.6
0- 90	3809	69.3	100.0
90-180	0	0.0	0.0
0-180	3809	69.3	100.0

TOTAL LUMINAIRE EFFICIENCY = 69.3 %
TOTAL REFLECTANCE OF PAINT = 90.0 %
CIE TYPE - DIRECT

PLANE	: 0-DEG	90-DEG
SPACING CRITERIA	: 1.2	1.3
SHIELDING ANGLES	: 90	90
PLANE	: 0-DEG	90-DEG
LUMINOUS LENGTH	:21.960	21.960

LUMINANCE DATA IN CANDELA/SQ M

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	4203.	4167.	4644.
55	2913.	2862.	3148.
65	2083.	2037.	2144.
75	1887.	1912.	2160.
85	1954.	2138.	2691.



THIS REPORT IS BASED ON PUBLISHED INDUSTRY PROCECURES • FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

coefficients of utilization — zonal cavity method (effective floor cavity reflectance 0.20)

RF	20			20			20		
RC	80			50			30		
RW	70	50	30	50	30	10	50	30	10
room cavity ratio 1	76	73	71	69	67	65	66	64	63
2	70	65	61	61	58	55	59	56	54
3	65	58	53	55	51	47	53	50	47
4	60	52	46	49	45	41	48	44	41
5	55	47	41	45	40	36	43	39	36
6	51	43	37	41	36	32	40	35	32
7	48	39	33	37	32	29	36	32	29
8	44	36	30	34	29	26	33	29	26
9	42	33	27	32	27	24	31	27	23
10	39	30	25	29	25	22	29	24	21

visual comfort probability (rated lumens per lamp 3150.)

room size		luminaries lengthwise: ceiling height				luminaries crosswise: ceiling height			
W	L	8.5	10.0	13.0	16.0	8.5	10.0	13.0	16.0
20	20	65	69	76	81	64	68	74	79
20	30	58	62	68	73	56	60	66	71
20	40	54	58	63	66	51	55	61	65
20	60	51	55	58	62	46	51	55	59
30	20	66	70	75	80	65	69	74	78
30	30	58	62	67	71	56	60	66	69
30	40	54	57	61	64	50	54	59	63
30	60	50	53	56	59	46	50	53	57
30	80	49	51	53	56	44	47	49	53
40	20	67	71	76	80	66	71	75	79
40	30	59	63	67	71	57	62	66	70
40	40	54	57	61	64	51	55	59	63
40	60	50	53	55	58	46	50	53	57
40	80	49	51	52	55	44	47	49	52
40	100	48	50	50	53	43	45	46	50
60	30	60	64	67	71	58	63	67	70
60	40	55	58	61	64	52	56	59	63
60	60	51	53	55	58	47	50	52	56
60	80	49	51	51	54	44	47	48	52
60	100	48	49	49	52	43	45	45	49
100	40	57	60	62	66	56	59	61	65
100	60	53	55	56	59	50	53	54	58
100	80	50	52	52	55	47	49	50	53
100	100	49	50	49	52	45	46	46	48

ORDERING INFORMATION

Explanation of Catalog Number. Example: GVS2GFSVK26U120SOGLR

GV	S	2		FS	VK					

GV — GUARDSMAN VANDAL RESISTANT

S — STATIC

2 — FIXTURE WIDTH

CEILING TYPE:
G= Grid (lay-in T bar)
F=Flanged (overlap) Z spline and plaster frame

FS — LENS FRAME: **FS**= Flat steel frame

VK — LENS/SHIELDING TYPE: **VK**=High impact Prismatic lens (standard)

LAMP QUANTITY:
2=2 Lamp
3=3 Lamp (Not with 6" spacing)
4=4 Lamp (T8, 2' Lamp Only)

LAMP/ FIXTURE LENGTH:
6U=6"U Lamp T8 or T12
2U=T8, 1-5/8" U Lamp
FT=Twin Tube T5
17=T8, 2' Lamp (Nominal 24")

Other dimming options. Consult factory.

VOLTAGE: 120 or 277

BALLAST TYPE:

	LE <20THD	<10THD
1-2 Lamp Mag. T12		
1 & 2 Lamp Elec. T8	SO*	HI*
1-2 Lamp Elec. T8	SO*	HI*
1-2 Lamp Elec. TT5 (40 Watt)	SB*	IB*
1-3 Lamp Elec. TT5	X3*	I3*
1-4 Lamp Elec. T8	O4*	H4*
LOL Dimming (T8)	PS	–
LOL Dimming (TT5)	PB	–

*Instant Start Standard

OPTIONS: Add appropriate suffix to catalog no., ie: (GLR)

OPTIONS & ACCESSORIES

SCREWDRIVER: For holt head screw. Order Catalog Number **LP156737**.
PLASTER FRAME: Catalog Number PF22.
CONTINUOUS ROW INSTALLATION: For F type fixtures, half width flanges are required between fixtures. Order Catalog Number: **S2FCTRIM** (each joint).
RADIO INTERFERENCE FILTER: 120 or 277 volt, 50 or 60 Hz. One per fixture standard. SUFFIX: **RF**.
FUSING: Internal fast-blow fusing. SUFFIX: **GLR**.
Internal slow-blow fusing. SUFFIX: **GMF**.
ELECTRICAL/WIRING OPTIONS: Consult factory.
DRYWALL KIT: Order Catalog Number: **FK92X2**.
Request Folio OA30-10.
CHICAGO PLENUM: SUFFIX: **CP**.

SPECIFICATIONS

PERFORMANCE: In an installation of 2 lamp 31W luminaires in a room cavity ratio of 1, reflectance 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .73. To prevent glare the VCP shall be not less than 40 either lengthwise or crosswise (at 100fc level) and the average brightness at 65° shall not exceed 2144 candelas per square meter. To control veiling reflections, luminaire output in the 30°-90° zone shall not be less than 66.0%.

SPECIFICATIONS (continued)

MATERIALS: Chassis parts are die-formed code gauge cold rolled steel. Housing with side rails hemmed over and housing ends turned-in for safe handling.
FINISH: Chassis exterior—black baked polyester enamel. **Cavity**—white baked polyester enamel minimum 86% reflectance. Phosphate undercoating.
LENS: (**VK**) prismatic lens is 3/16" thick, pattern 12, minimum impact strength, 130 foot pounds.
ELECTRICAL: Thermally protected class "P" ballast C.B.M. approved, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°.
LABELS: I.B.E.W./UL and C-UL.

Job Information	Type:

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